 Industrial Wi-Fi AI Solution – Week 4 | Day 18
 Auto RF Calibration, Traffic Forecasting, Smart Roaming… Sounds like engineers' ultimate wireless superpower toolkit. 😄
Here's the hard truth: Edge AI optimization separates unstable regular APs from reliable industrial wireless systems.
We've broken down MCS, SNR, MU-MIMO & Qualcomm IPQ hardware in previous posts. Today we connect RF performance with intelligent AI operation for system integrators, OEMs & industrial contractors.
Inside this post:  What Wallys embedded AI Wi-Fi solution delivers for industrial verticals ⚙ How AI fixes your most common field wireless pain points, not just marketing hype  All-in-one suite: auto RF tuning, traffic analytics, anomaly detection & roaming logic  Real-time dynamic MCS/band steering adjustment powered by on-board AI on Wi-Fi 6E/Wi-Fi 7 boards  Pairing Qualcomm high-end SoC with edge AI modules = your all-in-one industrial network combo
Tired of MCS drops, manual RF tuning, lagging surveillance streams & hard-to-troubleshoot network faults in mining, smart city, rail & high-density commercial projects? This deep dive covers all solutions from Wallys.
Our core AI + Wi-Fi strengths: ▷ Custom OpenWRT AI stack for IPQ9574 / QCN9274 Wi-Fi 7 hardware ▷ Jetson edge AI integration for video analysis & interference auto-suppression ▷ Full SDK, firmware customization & OEM/ODM white-label support ▷ Free samples & dedicated technical consultation for B2B partners
Tomorrow: We unpack how our AI engine auto-calculates SNR & MCS thresholds to deliver consistent wireless performance.
Wallys Communications | Industrial Wi-Fi 6/7 & AI wireless solution provider Website: https://www.wallystech.com/
#IndustrialWiFi #WiFi7 #EdgeAI #WirelessSolution #SystemIntegrator #QualcommIPQ #OpenWRT

WALLYSTECH AI SOLUTION
POWERFUL AI.
INTELLIGENT EDGE.
MAXIMUM VALUE.
Full-Stack AI Solution for the Edge
Wallystech delivers a full-stack, customizable AI solution with High Performance, Flexibility, and Ultimate Privacy.
Jetson Full-Ecosystem Compatible
Wi-Fi 6/7 Extreme Speed Low Latency
AI Ready Optimized for Edge Inference
15 Years Industrial Grade Reliability
WHY CHOOSE WALLYSTECH?
Ultimate Privacy Data stays secure at the edge
End-to-End Full-stack solution from hardware to AI
Industrial Grade Designed for harsh environments
Global Support Expert team, local service
HIGH PERFORMANCE & FULL COMPATIBILITY
Full Compatibility of Boards
Flexibly adapts to all NVIDIA Jetson series boards, providing maximum hardware flexibility for diverse applications.
Wireless Drivers Optimization
In-depth underlying driver optimization for Wi-Fi 6/7 to unleash the ultimate wireless performance potential.
Joint AI Models Development
Co-develop and optimize AI models with customers to ensure practicality and industry leadership of algorithms.
Dual Hardware & Software Customization
Provide integrated software and hardware customization services to achieve the optimal solution from the underlying layer to applications.
OUTSTANDING PERFORMANCE
Wi-Fi 6/7 (MCS 7)
Wi-Fi 5
Up to 3.6X Faster
Ultra-Low Latency
< 10ms
Latency
High Reliability
15+ Years
Stable Operation
TOTAL COST OF OWNERSHIP SAVINGS
30% Lower Deployment Cost
25% Reduced Maintenance Cost
20% Lower Downtime Cost
Up to 40% Overall TCO Savings
TRANSFER YOUR AI MODEL TO REALITY
AI Model Development
Optimize & Deploy
Edge Inference
Real-World Applications
From Model to Market, We Accelerate Your Success.
WIDE RANGE OF APPLICATIONS
Smart Manufacturing
AI defect detection, predictive maintenance
Intelligent Transportation
Traffic analysis, ANPR, smart tolling
Retail & Smart Store
Customer analytics, behavior recognition
Smart City
Surveillance, people counting, safety
Energy & Utilities
Asset monitoring, fault detection
Healthcare
Medical imaging, AI-assisted diagnosis
Agriculture
Crop monitoring, smart irrigation
KEY TAKEAWAY:
Wallystech AI Solution = High Performance + Ultimate Privacy + Cost Efficiency
Your Trusted Partner for Edge AI Innovation.
BUILT FOR THE FUTURE. READY FOR YOUR BUSINESS.
Scalable. Secure. Smart.